AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. 1. (Previously Presented) An automated storage system comprising:
2. a data access drive configured to read and write computer-readable data on storage
3. media;
4. a drive controller provided at the data access drive;
5. computer-readable program code provided in computer-readable storage at the data
6. access drive, the computer-readable program code executable by the drive controller for
7. generating drive information and user interface rendering data, wherein the drive information
8. comprises a status of the data access drive and an operating speed of the data access drive; and
9. a user interface module to output the drive information via a user interface in accordance
10. with the user interface rendering data.

1. 2. (Original) The system of claim 1 wherein the computer-readable program code includes
2. a render engine to generate the user interface rendering data.

1. 3. (Original) The system of claim 1 wherein the computer-readable program code includes
2. a state machine to retrieve the drive information.

1. 4. (Currently Amended) The system of claim 1 wherein the drive controller is configured to
2. retrieve updated drive information if [[a]]the data access drive changes state.

1. 5. (Original) The system of claim 1 further comprising a communication path established
2. between the drive controller and the user interface module, the drive information and the user
3. interface rendering data provided to the user interface module via the communication path.

1. 6. (Original) The system of claim 5 wherein the communication path is established separate
2. from a data path with the drive controller.

1   7.   (Original) The system of claim 1 further comprising a communication path established
2   between the drive controller and a system controller and between the system controller and the
3   user interface module, the drive information and the user interface rendering data provided to the
4   user interface module via the communication path.

1   8.   (Previously Presented) The system of claim 1 wherein the drive information and the user
2   interface rendering data are displayed in a graphical user interface.

1   9.   (Previously Presented) The system of claim 1 wherein the drive controller is configured
2   to retrieve updated drive information based at least in part on input from the user interface
3   module.

1   10.   (Previously Presented) The system of claim 1 wherein the drive controller is configured
2   to receive control instructions from the user interface module.

1   11.   (Previously Presented) A method executed by a processor, comprising:
2   receiving, by the processor, drive information and graphical user interface rendering data
3   generated by a drive controller at a data access drive of a storage system, wherein the drive
4   information comprises a status of the data access drive and an operating speed of the data access
5   drive;
6   outputting, by the processor, the drive information in a graphical user interface in
7   accordance with the graphical user interface rendering data; and
8   receiving, by the processor, an indication of activation of a button in the graphical user
9   interface, wherein activation of the button is a request for the drive information, and wherein
10 receiving the drive information and graphical user interface rendering data is in response to the
11 indication of activation of the button.

1   12.   (Previously Presented) The method of claim 11 wherein receiving the drive information
2   and the graphical user interface rendering data is via a system controller.

1 13. (Previously Presented) The method of claim 11 wherein receiving the graphical user
2 interface rendering data comprises receiving the graphical user interface rendering data from a
3 render engine executed by the drive controller at the data access drive.

1 14. (Previously Presented) The method of claim 11, wherein outputting the drive
2 information comprises displaying the drive information in the graphical user interface in
3 accordance with the graphical user interface rendering data.

1 15-16. (Cancelled)

1 17. (Currently Amended) The method of claim 11 further comprising:
2   receiving a second indication of activation of the button in the graphical user interface;
3 and
4   outputting updated drive information in the graphical user interface in response to
5 receiving the second indication, wherein the updated drive information is generated by the drive
6 controller.

1 18. (Previously Presented) In an automated storage system having a graphical user interface
2 including a display and a user interface selection device, a method of providing and selecting
3 from the display comprising:
4   receiving activation of a button in the graphical user interface, wherein activation of the
5 button is a request for drive information of a data access device in the automated storage system,
6 wherein the drive information comprises a status of the data access drive and an operating speed
7 of the data access drive;
8   sending an indication regarding the activation of the button to a drive controller at the
9 data access drive;
10   responsive to the indication regarding the activation of the button, receiving drive
11 information and graphical user interface rendering data from the drive controller; and
12   displaying the drive information in an application window in the graphical user interface
13 in accordance with the graphical user interface rendering data.

1   19.   (Cancelled)

1   20.   (Previously Presented) The method of claim 18, further comprising:

2   receiving a second activation of the button;

3   sending a second indication regarding the second activation of the button to the drive

4   controller;

5   receiving updated drive information that represents a state change of the data access

6   drive, and corresponding updated graphical user interface rendering data from the drive

7   controller; and

8   displaying the updated drive information in the application window in accordance with

9   the updated graphical user interface rendering data.

1   21.   (Previously Presented) The system of claim 1, wherein the user interface rendering data

2   enables drawing of a graphical image in the user interface.

1   22.   (Cancelled)

1   23.   (Previously Presented) The system of claim 1, wherein the drive information further

2   comprises an error rate of the data access drive.

1   24.   (Previously Presented) The system of claim 1, wherein the user interface comprises a

2   graphical user interface, wherein the user interface rendering data comprises graphical user

3   interface rendering data, and wherein the user interface module is configured to display the drive

4   information in a window of the graphical user interface in accordance with the graphical user

5   interface rendering data.

1   25.   (Previously Presented) The method of claim 11, further comprising sending output

2   regarding activation of the button to the drive controller, wherein the drive information and

3   graphical user interface rendering data is generated by the drive controller in response to the

4   output.

1   26.   (Previously Presented) The method of claim 18 wherein receiving the graphical user
2   interface rendering data comprises receiving the graphical user interface rendering data from a
3   render engine executed by the drive controller at the data access drive.

1   27.   (Previously Presented) The system of claim 21, wherein the graphical image includes a
2   user-actuatable button that when actuated causes the computer-readable program code to execute
3   on the drive controller to retrieve the drive information from a module at the drive controller.

1   28.   (Previously Presented) The system of claim 1, wherein the user interface has a user-
2   actuatable control element that when actuated causes the computer-readable program code to
3   control an operation of the data access drive.